AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application: **(AS ON AMENDED SHEET(S) ANNEXED TO IPER)**

1. (Currently Amended) A high frequency filter of coaxial construction, ~~comprising~~ including at least one ~~or more~~ resonators ~~(R) having the following features~~comprising:

an electrically conductive internal conductor configured as an internal conductive tube ~~(1)~~;

an electrically conductive external conductor ~~(2)~~;

an electrically conductive base ~~(3)~~ which electrically interconnects the internal conductor and the external conductor ~~(2)~~;

a cover ~~(5)~~ covering at least the high frequency filter with respect to the base ~~(3)~~ and having an inner side ~~(5a)~~ and outer side ~~(5b)~~, the inner side ~~(5a)~~ pointing toward a free end ~~(1a)~~ of the internal conductive tube ~~(1a)~~;

a dielectric layer ~~(6)~~ having a relative dielectric constant greater than 2 ~~is~~ arranged between the outer side ~~(5b)~~ of the cover ~~(5)~~ and the free end ~~(1a)~~ of the internal conductive tube ~~(1)~~;

the radial extent of the dielectric layer ~~(6)~~ substantially ~~covers~~ covering the cross section of the internal conductive tube ~~(1)~~ at the free end ~~(1a)~~ thereof;

wherein

the dielectric layer ~~(6)~~ is arranged on or fastened to the cover ~~(5)~~.

2. (Currently Amended) The high frequency filter as claimed in Claim 1, wherein the dielectric layer ~~(6)~~ is inserted in a recess in the inner side ~~(5a)~~ of the cover ~~(5)~~.

3. (Currently Amended) The high frequency filter as claimed in Claim 2, wherein the dielectric layer ~~(6)~~ is held in the recess by an interlocking fit, ~~in particular~~ by an edge ~~(5')~~, projecting beyond the edge of the dielectric layer ~~(6)~~, on the inner side ~~(5a)~~ of the cover ~~(5)~~.

4. (Currently Amended) The high frequency filter as claimed in either Claim 2 ~~or Claim 3~~, wherein the dielectric layer ~~(6)~~ is closed by the inner side ~~(5a)~~ of the cover ~~(5)~~.

5. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the dielectric layer ~~(6)~~ is held on the inner side ~~(5a)~~ of the cover ~~(5)~~ by an adhesion means~~, in particular adhesive~~.

6. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the relative dielectric constant of the dielectric layer ~~(6)~~ is ≥ 5~~, preferably ≥ 8, particularly preferably ≥ 9~~.

7. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the relative dielectric constant of the dielectric layer is ≥ 40~~, preferably between 40 and 80, particularly preferably between 60 and 80~~.

8. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the dielectric layer ~~(6)~~ comprises ceramic material~~, in particular aluminum oxide ceramic~~.

9. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the surface area of the radial extent of the dielectric layer ~~(6)~~ is at least twice the surface area of the cross section of the internal conductive tube ~~(1)~~ at the free end ~~(1a)~~ thereof.

10. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the cross section of the internal conductive tube ~~(1)~~ is substantially circular at the free end ~~(1a)~~ thereof.

11. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the radial extent of the dielectric layer ~~(6)~~ is substantially circular.

12. (Currently Amended) The high frequency filter as claimed in Claims 10 ~~and 11~~, wherein the diameter ~~(d1)~~ of the radial extent of the dielectric layer ~~(6)~~ corresponds at least to the diameter ~~(d2)~~ of the cross section of the internal conductive tube ~~(1)~~ at the free end ~~(1a)~~ thereof.

13. (Currently Amended) The high frequency filter as claimed in Claim 12, wherein the diameter ~~(d1)~~ of the radial extent of the dielectric layer ~~(6)~~ is at least 1.5 times the diameter ~~(d2)~~ of the cross section of the internal conductive tube ~~(1)~~ at the free end thereof.

14. (Currently Amended) The high frequency filter as claimed in any ~~one of Claims 11 to 13~~Claim 11, wherein the external conductor ~~(2)~~ is an external conductive tube having a substantially circular cross section and the diameter ~~(d3)~~ of the external conductive tube is at least twice the diameter of the radial extent of the dielectric layer ~~(6)~~.

15. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the high frequency filter comprises a plurality of resonators ~~(R)~~, a single continuous, at least partially strip-like dielectric layer being provided for all of the resonators ~~(R)~~.

16. (Currently Amended) The high frequency filter as claimed in ~~any one of the preceding claims~~Claim 1, wherein the resonators ~~(R)~~ are configured and coupled in such a way that a duplex switch is formed.

17. (Currently Amended) The high frequency filter as claimed in ~~any one of Claims 1 to 16~~Claim 1, wherein the resonators ~~(R)~~ are configured and coupled in such a way ~~that~~ as to provide a ~~band-pass~~ band filter ~~or a band-stop filter is formed~~.

18. (New) The filter of claim 6 wherein the dielectric constant is $\geq$ 9.

19. (New) The filter of claim 7 wherein the dielectric constant is between 60 and 80.

20. (New) The filter of claim 17 wherein the band filter comprises a band pass filter.